Electronic Version
Stylesheet Version v1.1.1

Claims

[c1] What is claimed is:

1.An image capturing apparatus comprising:

a lens for capturing an image of an object;

a focusing module for focusing the lens; and

a focus-decisive module comprising at least one slide rod for measuring a distance between the lens and the object and for controlling the focusing module to focus the lens synchronously according to the distance.

[c2] 2.The image capturing apparatus of claim 1 wherein the focus-decisive module further comprises a variable resistance connected to the slide rod, wherein the quantity of the variable resistance is changeable by sliding the slide rod, and the image capturing apparatus further comprises an analog-to-digital converter for receiving an analog signal of voltage decided by the variable resistance and converting the analog signal into a digital signal, and a control unit for receiving the digital signal transmitted from the analog-to-digital converter and generating the distance between the object and the lens according to the digital signal so as to control the focusing module to focus the lens.

[c3] 3.The image capturing apparatus of claim 1 wherein the focus-decisive module further comprises a stop device for fixing the slide rod with a force to avoid sliding.

[c4] 4.The image capturing apparatus of claim 3 wherein the slide rod of the focus-decisive module is capable of supporting the lens positioned above the object.

[c5] 5.The image capturing apparatus of claim 1 wherein the slide rod of the focus-decisive module is used in inputting a focus range of the focusing module.

[c6] 6.The image capturing apparatus of claim 1 wherein the slide rod of the focus-decisive module is installed on a housing of the lens.

[c7] 7.The image capturing apparatus of claim 6 wherein the focus-decisive module comprises three slide rods installed on the housing of the lens.

[c8] 8.The image capturing apparatus of claim 1 wherein the image capturing apparatus is a camera.